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A SELECTED BIBLIOGRAPHY ON BRIQUETTING OF COAL AND OTHER CARBONS

BY

PAUL L. FISHER

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A SELECTED BIBLIOGRAPHY ON BRIQUETTING OF COAL AND OTHER CARBONS[1]

By Paul L. Fisher[2]

INTRODUCTION

This bibliography has been compiled by the Bureau in answer to many requests now being received for information on the briquetting coal and other carbons. In addition to publications issued by the Government in printed or mimeographed form, references are included to articles appearing in the technical press and in cooperative reports of work done jointly with states, colleges, and industries. References and patents are arranged in chronological order.

Bureau of Mines bulletins, technical papers and Minerals Yearbooks are printed, and are obtainable from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Reports of investigations, information circulars, and the directories and reports of the mineral industry surveys are published in mimeographed form and may be obtained without charge from the Publications Distribution Section, Bureau of Mines, 4800 Forbes Street, Pittsburgh 13, Pa.

Many Bureau of Mines publications, as well as bound copies of the foreign and American scientific and trade periodicals, may be consulted in technical, college, and large public libraries throughout the country. Dealers in new and second-hand books sometimes have copies of these reports for sale.

REFERENCES

1. LOISEAU, E. F. On the Manufacture of Artificial Fuel at Port Richmond, Pa. Trans. Am. Inst. Min. Eng., vol. 6, 1877-78, pp. 214-220.
2. _____ The Successful Manufacture of Pressed Fuel at Port Richmond, Philadelphia, Pa. Trans. Am. Inst. Min. Eng., vol. 8, 1879-80, pp. 214-320.
3. PARKER, E. W., HOLMES, J. A., AND CAMPBELL, M. R. Preliminary Report on the Operation of the Coal-Testing Plant of the United States Geological Survey at the Louisiana Purchase Exposition, St. Louis, Mo., 1904. Geol. Survey Bull. 261, 1905, 172 pp.

1/ The Bureau of Mines will welcome reprinting of this paper, provided the following acknowledgment is used: "Reprinted from Bureau of Mines Information Circular 7469."

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4. PARKER, E. W., HOLMES, J. A., AND CAMPBELL, M. R. Report of the Operations of the Coal-Testing Plant of the United States Geological Survey at the Louisiana Purchase Exposition, St. Louis, Mo., 1904. Geol. Survey Prof. Paper 48, 1906, 1492 pp.
5. HOLMES, J. A. Preliminary Report on the Operations of the Fuel-Testing Plant of the United States Geological Survey at St. Louis, Mo., 1905. Geol. Surv. Bull. 290, 1906, 240 pp.
6. _____ Report of the United States Fuel-Testing Plant at St. Louis, Mo., Jan. 1, 1906, to June 30, 1907. Geol. Survey Bull. 332, 1908, 299 pp.
7. MILLS, J. E. Binders for Coal Briquets; Investigations Made at the Fuel-Testing Plant, St. Louis, Mo. Geol. Survey Bull. 343, 1908, 56 pp. Bureau of Mines Bull. 24, 1911, 56 pp.
8. GOSS, W. F. M. Comparative Tests of Run-of-Mine and Briquetted Coal on Locomotives, Including Torpedo-Boat Tests and Some Foreign Specifications for Briquetted Fuel. Geol. Survey Bull. 363, 1908, 57 pp. Bureau of Mines Bull. 37, 1911, 58 pp.
9. FRANKE, G. Handbuch der Brikettbereitung. Ferdinand Enke, Stuttgart, vols. I and II, 1917-18. (Translated by Lantsberry, Fred, Griffin Co., Ltd., London, 1918.)
10. WRIGHT, C. L. Briquetting Tests of Lignite. Bureau of Mines Bull. 14, 1911, 64 pp.
11. RANDALL, D. J. Tests of Coal and Briquets as Fuel for House-Heating Boilers. Bureau of Mines Bull. 27, 1911, 44 pp. (Reprint of Geol. Survey Bull. 366, 1908.)
12. WRIGHT, C. L. Briquetting Tests at the United States Fuel-Testing Plant, Norfolk, Va. Bureau of Mines Bull. 30, 1911, 41 pp. (Reprint of Geol. Survey Bull. 385, 1909.)
13. RAY, W. T., AND KREISINGER, H. Tests of Run-of-Mine and Briquetted Coal on the Torpedo Boat Biddle. Bureau of Mines Bull. 33, 1911, 50 pp. (Reprint of Geol. Survey Bull. 403, 1909.)
14. _____ Tests of Run-of-Mine and Briquetted Coal in a Locomotive Boiler. Bureau of Mines Bull. 34, 1911, 33 pp. (Reprint of Geol. Survey Bull. 412, 1909.)
15. BRECKENRIDGE, L. P., KREISINGER, H., AND RAY, W. T. Steaming Tests of Coals and Related Investigations, September 1, 1904, to December 31, 1908. Bureau of Mines Bull. 23, 1912, 380 pp.
16. WRIGHT, C. L. The Briquetting of American Lignites. Orig. Com. 8th Internat. Cong. App. Chem., vol. 10, 1912, pp. 317-334.
17. _____ Fuel Briquetting Investigation. Bureau of Mines Bull. 58, 1913, 277 pp. (Bibliography, 1899-1912.)
18. DARLING, S. M. The Carbonizing and Briquetting of Lignite. Government of the Province of Saskatchewan, Report of Investigations, 1915, 47 pp.
19. KAYSER. (Briquetting of Coke Breeze.) Jour. Gasbel., vol. 61, 1918, pp. 541-547, 556-558. Jour. Soc. Chem. Ind., vol. 38, 1918, pp. 34A-35A.
20. YEADON, J. A. Briquetting Small Coal, Coke Breeze, and Coal Washery Slimes. Gas World (Coking and Byproducts Sec.), vol. 69, No. 1789, 1918, pp. 21-22.
21. DUVAL, C. (Processes of Briquetting Lignite.) Rev. prod. chim., vol. 21, 1918, pp. 374-376.
22. ROSS, R. A. The Briquetting of Lignites. Dominion of Canada Honorary Advisory Council Sci. Ind. Res. Rept. 1, 1918, 27 pp.

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23. LESHER, C. E. Fuel Briquetting in 1918. Geol. Survey, Mineral Resources of U. S., part II, 1918, pp. 1-3. (Prepr. 1, published Apr. 30, 1919). See Chem. Abs., vol. 12, p. 1416.
24. GIGLI, O. (A Possible Use of Bitumens as Fuel, or Binding Material.) Rass. Min. Met. Chim., vol. 49, 1919, pp. 65-69.
25. BACHELAY. (The Changing of Coke Dust into a Combustible Resembling Anthracite.) Jour. usines gaz., vol. 43, 1919, pp. 4-6.
26. GLOESS, P. (Algin (binder from Algin).) Inst. oceanographicque, Monaco, Bull. 350, 1919, pp. 47-71.
27. CREMPE, P. M. (Skin Disease Due to Pitch Dust in Briquetting Factories.) Jour. Gasbel., vol. 62, 1919, pp. 243-244.
28. JOURNAL FÜR GASBEL EUCHTUNG. (Manufacture of Coke Briquets at the Nuremberg Gas Works.) Vol. 63, 1920, pp. 44-45.
29. HALL, E. L. Lampblack, Byproduct from Oil Gas Manufacture, A Readily Marketed Domestic Fuel. Am. Gas Eng. Jour., vol. 112, 1920, pp. 77-80.
30. STILLMAN, A. L. Experimental Briquetting Plant. Chem. Met. Eng., vol. 22, 1920, pp. 1035-1038.
31. DAVIS, J. C. Some Investigations in Briquetting Oklahoma Coal. Chem. Met. Eng., vol. 23, 1920, pp. 101-102.
32. CURTIS, H. A. Low-temperature Carbonization of Coal and Manufacture of Smokeless Fuel Briquets. Chem. Met. Eng., vol. 23, 1920, pp. 499-500.
33. McKENNEY, W. F. Fuel Briquets in 1920. Geol. Survey, Mineral Resources of U. S., part II, 1920, pp. 89-91. (Preprint 11, published Sept. 19, 1921.)
34. VERDIER, J. G. (Extraction and Briquetting of Lignite.) Rev. ing. index tech., vol. 27, 1920, pp. 343-353, 407-417; vol. 28, 1921, pp. 9-16, 137-148.
35. ODELL, W. W. Lignite Carbonization - Carbonized Residue Briquets. Bureau of Mines Rept. of Investigations 2298, 1921, 3 pp.
36. STILLMAN, A. L. Anthracite Conservation by Briquetting. Coal Industry, February 1921, pp. 100-103.
37. JOSEPH, A. F., AND WHITFIELD, B. W. The Briquetting of Charcoal. Khartoum. Jour. Soc. Chem. Ind., vol. 40, 1921, pp. 190-192T.
38. KENNEDY, J. H. Briquetted Coal for Household Fuel. Jour. Am. Soc. Heating and Ventilating Eng., vol. 27, 1921, pp. 101-106.
39. BERNER. (Fuel Loss in the Briquetting of Brown Coal.) Chem. Ztg., vol. 45, 1921, pp. 333-335.
40. LANDSBERG, -. (Briquetting of Lignite.) Ztschr. Ver. deut. Ing., vol. 65, 1921, pp. 415-417.
41. REVUE DES MATERIAUX DES CONSTRUCTION ET DE TRAVAUX PUBLICS. (Lignite Brick Fuel.) No. 141, 1921, p. 95B.
42. DROGE, A. (A New Process for Briquetting Anthracite by the Use of Liquid Pitch.) Gluckauf, vol. 57, 1921, pp. 1093-1094.
43. THOMSON, L. R. Briquetting of Lignites. Jour. Soc. Chem. Ind., vol. 40, 1921, pp. 225-228T.
44. BAUDENBACHER, J. (Determination of the Specific Heat of Dried Lignite and Lignite Briquets.) Braunkohle, vol. 20, 1921, pp. 433-435.
45. HARBING, J. (The Briquetting or Distillation of Brown Coal.) Warme Kalte. Tech., vol. 23, 1921, pp. 176-178.
46. ENGINEERING. Duplex Coal-Briquetting Machine. Vol. 112, 1921, pp. 689-691.

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47. MOHR, E. C. J. (Briquetting of Waste.) De Indiesche Mercuur, Dec. 1921. Ber. van de Afdeling Handelamuseum van het Koloniaal Inst. No. 6, 1921, 9 pp.
48. WILDES, F. A. The Utilization of Peat. Proc. Minnesota Surveyors and Engrs. Soc., vols. 26, and 27, 1921-1922, pp. 151-159.
49. McKENNEY, W. F. Fuel Briquets in 1921. Geol. Survey, Mineral Resources of U. S., part II, 1921, pp. 1-5. (Preprint 1, published May 26, 1922.)
50. GRILLO, G. (The Manufacture of Lignite Briquets in Germany.) Rass. min., vol. 57, 1922, pp. 23-26.
51. HUDLER, J. (Thermal Calorific Value.) Ztschr. Ver. deut. Ing., vol. 66, 1922, pp. 495-497.
52. GROUNDS, A. Notes on Patent Fuel. I. Binding Materials. Fuel in Sci. and Pract. (supplement to Coll. Guard.), vol. 124, No. 3213, 1922, pp. 119-122. Chem. Trade Jour., vol. 71, 1922, pp. 227-228.
53. _____ Notes on Patent Fuel. II. The Selection of Coals for Briquetting and the Grinding of Coal and Pitch. Fuel in Sci. and Pract. (supplement to Coll. Guard.), vol. 124, No. 3214, 1922, pp. 149-151.
54. _____ Notes on Patent Fuel. III. Research on the Manufacture of Briquets. Fuel in Sci. and Pract. (supplement to Coll. Guard.), vol. 124, No. 3221, 1922, pp. 174-177.
55. SUTCLIFFE, E. R., AND EVANS, E. G. Recent Developments in the Technology of Fuels. Proc. South Wales Inst. Eng. Gas Jour., vol. 159, 1922, pp. 317-320. Iron Coal Trades Rev., vol. 105, 1922, pp. 109-112.
56. _____ The Influence of a Structure on the Combustibility and Other Properties of Solid Fuels. Coll. Guard., vol. 123, 1922, p. 857. Jour. Soc. Chem. Ind., vol. 11, No. 12, 1922, pp. 196T-208T.
57. DITMAR, R. (The Production of Briquets with the Spring Press and the Styrian Briquet Industry.) Oesterr. Chem. Ztg., vol. 24, 1922, pp. 133-134.
58. BRANDT, O. (The Briquetting of Wood Waste.) Arch. Warmewirtschaft, vol. 3, 1922, pp. 148-150.
59. GRUNOW, W. (Preparation of Briquets from Coal Sludge.) Arch. Warmewirtschaft, vol. 3, 1922, pp. 212-213.
60. MOLLER, R. (The Storage of Lignite Briquets in Supply Bunkers.) Feuerungstechnik 10, 1922, pp. 233-235.
61. STEINERT, J. (New Improved Methods for Peat Utilization.) Ztschr. angow. Chem., vol. 35, 1922, pp. 553-555.
62. BABCOCK, E. J., AND ODELL, W. W. Production and Briquetting of Carbonized Lignite. Bureau of Mines Bull. 221, 1923, 82 pp.
63. STILLMAN, A. L. Briquetting. Chemical Publishing Co., 1923, 466 pp.
64. SCHURECHT, H. G. An Automatic Direct-Reading Laboratory Scale for Weighing Briquets. Jour. Am. Ceram. Soc., vol. 6, 1923, pp. 491-495.
65. BLAU, E. (Mechanical Means for the Preparation of Coal.) Chemisch-technische Übersecht in chemikes Zeitung Cothen, vol. 47, 1923, pp. 417-418.
66. HOOD, O. P. German Brown Coal Compared with American Lignite. Chem. Met. Eng., vol. 28, 1923, pp. 58-59.
67. GARBE, J. B. A Typical Belgian Briquetting and Ovoid Plant. Oil Eng. & Finance, vol. 4, 1923, pp. 200-202.
68. FOOS, F. W. (Heat Economy in Briquet Manufacture.) Braunkohle, vol. 22, 1923, pp. 327-340.
69. PIENING, B. (The Briquetting of Extracted Brown Coal.) Braunkohle, vol. 22, 1923, pp. 481-484, 505-511.

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70. GENSECKE, W. (The Utilization of Waste Heat in the Manufacture of Briquets.) I, Braunkohle, vol. 22, 1923, pp. 601-607; II; vol. 22, 1924, pp. 616-621.
71. _____ (The Utilization of Waste Heat in the Manufacture of Briquets.) II. Braunkohle, vol. 22, 1924, pp. 616-621. Chem. Abs., vol. 18, p. 1043.
72. ORR, M. W. American Briquet Company's Lykens Plant - Manufacture of Briquets from Anthracite Culm Pile to Finished Product. Modern Mining, vol. 1, 1924, pp. 96-100.
73. GOODRICH, W. F. Utilization of Low-Grade and Waste Fuel. Ernest Benn, Ltd., London, 1924, 152 pp.
74. HOOD, O. P., AND ODELL, W. W. Investigation of the Preparation and Use of Lignite. Bureau of Mines Bull. 255, 1926, 204 pp.
75. BROWNLIE, D. Low-Temperature Carbonization - Briquetting Processes. Coll. Guard., vol. 131, 1926, p. 1163.
76. STANSFIELD, E., AND LANG, W. A. Principles in the Briquetting of Coking and Noncoking Bituminous Coals. Proc. 20th Internat. Conf. Bituminous Coal, vol. 1, 1928, pp. 508-526.
77. KADA, H., AND OGATA, K. The Fixation of Sulfur in Coal Briquets. Imperial Fuel Research Inst., vol. 7, 1929, pp. 52-55; Jour. Fuel Soc. Japan, vol. 8, 1929, pp. 414-428.
78. HEPTINSTALL, W. G. Carbonizing and Briquetting Saskatchewan Lignite. Trans. Canadian Inst. Min. and Met., 1929, pp. 395-404.
79. PIERSOL, R. J. Briquetting Illinois Coal without a Binder by Compression and Impact. Illinois State Geol. Survey Rept. of Investigations 31, 1933, 70 pp.
80. GANIERE, M. Le Problème des fines et l'agglomération, sans liants. III. Congress du Chauffage Industries, group II, sec. 1, 1923, pp. 267-271.
81. MATUSUNAMI, H., AND MORIMASA, T. Pitchless Coal Briquet. Jour. Fuel Society Japan, vol. 12, 1933, pp. 110-111.
82. FREUNDLICH, H. Plasticity, The Servant of Industry - Briquetting. Chem. and Ind., vol. 53, No. 29, July 20, 1934, pp. 218T-225T.
83. HOLIK, J. (Coal Briquetting Without a Binder.) Glückauf, vol. 70, 1934, pp. 385-396.
84. PIERSOL, R. J. Briquetting Illinois Coal without a Binder by Impact. Illinois State Geol. Survey, Rept. of Investigations 37, 1935, 75 pp.
85. HALL, R. D. Notes from Across the Sea. Coal Age, vol. 40, No. 10, 1935, p. 422.
86. REERINK, W., AND GOECKE, E. (Testing of Pitch for Briquetting and Its Importance for the Briquetting Process.) Glückauf, vol. 71, 1935, pp. 77-85, 105-114.
87. PIERSOL, R. J. I. Smokeless Briquets: Impacted without Binder from Partially Volatilized Illinois Coals. II. Smoke Index: A Quantitative Measurement of Smoke. Illinois State Geol. Survey, Rept. of Investigations 41, 1936, 113 pp.
88. VON BERNEWITZ, M. W. Mining and Briquetting Brown Coal in Australia. Min. Eng. Jour., vol. 22, 1936, pp. 18-19.
89. STRONG, R. A., SWARTZMAN, E., AND BURROUGH, E. J. Fuel Briquetting. Canadian Bureau of Mines, Mines and Geology Branch, No. 775, 1937, 100 pp.
90. AGDE, G., AND VETTER, K. E. Untersuchungen über die Abhängigkeit des Brikettieuingsnerhaltens von Rohbraunkohlen von den Huminsaure - und den Wasservehalten. Braunkohle, vol. 45, 1937, pp. 813-817.

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91. AGDE, G., AND VETTER, K. E. Untersuchungen über Bildsamkeitserscheinungen beim Pressen erdiger. Braunkohle, vol. 47, 1937, pp. 845-848.
92. SNELL, F. D., AND KIMBALL, C. S. Briquetting Coal with Sodium Silicate. Ind. Eng. Chem., vol. 29, No. 6, 1937, pp. 724-726.
93. KOPPEL, V. M. (Briquetting Waste from the Coke-Chemical Industry in the East.) Coke and Chem. (U.S.S.R.), vol. 7, No. 12, 1937, pp. 38-39; Chem. Zentralb, 1939, p. 1108.
94. KNIGHT, J. L. What Factors Are Important in Briquetting. Coal Age, vol. 43, 1938, pp. 34-35.
95. FRITZSCHE, K. (Swelling of Lignite Briquets.) Braunkohle, vol. 37, No. 33, 1938, pp. 561-580.
96. VOLLMAIER, ALEX. (Improving the Quality of Briquets by the Determination of the Most Favorable Drying Temperature and Particle Size of Dried Coal.) Braunkohlenarch., Nos. 49 and 50, 1938, pp. 30, 82.
97. BERTHELOT, C. (Types recents de presses pour la fabrication de agglomeres de charbon.) Génie civil, vol. 112, 1938, pp. 221-225.
98. MORFIT, C. C. Fuel Briquet Manufacture. Proc. 2d Annual Coal Conference in West Virginia. West Virginia Eng. Exper. Sta. Tech. Bull. 13, 1939, pp. 147-159.
99. YAMADA, K., AND SAWAMURA, T. Fixation of Sulfur in Briquets. Fuel, vol. 18, No. 4, 1939, pp. 119-120.
100. KAISER, M., AND SPALLEK, F. (Moisture Determination of Briquetting Coal, etc.) Braunkohle, vol. 38, Nos. 5 and 6, 1939, pp. 65-70, 84-91.
101. RIEDIG, F. (Weighing Coal Briquets.) Braunkohle, vol. 38, No. 12, 1939, pp. 217-221.
102. AGDE, G., AND VETTER, K. E. (Investigations Concerning the Moisture Binding Conditions in Lignite.) Braunkohle, vol. 38, No. 13, 1939, pp. 237-240.
103. _____ (Investigations of the Microstructure of Briquetting Coals.) Braunkohle, vol. 38, No. 14, 1939, pp. 255-257.
104. _____ (Investigations of the Causes of Lignite Briquet Binding.) Braunkohle, vol. 38, No. 15, 1939, pp. 265-268.
105. SCHULTZ, F. (Practical Experiences in Dewatering Briquetting Coal.) Braunkohle, vol. 38, Nos. 23 and 24, 1939, pp. 393-397, 415-419.
106. KEGEL, K. (Principles of Briquetting Processes.) Braunkohle, vol. 38, Nos. 26 and 27, 1939, pp. 441-450, 461-467.
107. KLEBART, H. (Impregnation of Briquets, Albert-Emulsion Process.) Braunkohle, vol, 38, Nos. 27 and 28, 1939, pp. 457-461, 476-480.
108. VELTEN, O. (Continuous Determination of Moisture Content of Lignite Briquetting Coal.) Archiv für technisches Messen, Lfg. 101, Arch. techn. Messen, Teil 137, 1939 (V 1281-5), 2 pp.
109. HEUGEL, E. Der Tellertrockner in Braunkohlen Brikettfabriken. Ztschr. Ver. Deut. Ing., vol. 84, 1940, pp. 193-194.
110. BERTHELOT, C. L'Extraction, le sechage et l'auto agglomeration de la tourbe. Génie civil, vol. 119, 1940, pp. 231-234.
111. BROWNLIE, D. Development in Wood Technology; Prestologs High Pressure Briquetting Press for Sawdust. Engineering, vol. 150, 1940, pp. 461-462.
112. REVISTA TECHNICA DELLE FERBONIE ITALIANE. Relazione sull'impeanto mattonelle di lignite e dull'impianto di essiccazione triti di Castelmuovo dei Sabbioni. (Report on the Kiln Plant of Brown Coal and on the Plant of a Pounding Chamber at New Castle on the Sandyground.) Vol. 57, No. 1, 1940, pp. 7-16.

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113. GAS AGE. Fuel Briquets in 1939. Vol. 86, 1940, p. 24.
114. HALL, R. D. North Dakota Plant Carbonizes Lignite at Mine Mouth and Briquets Resultant Char for Shipment. Coal Age, vol. 45, 1940, pp. 47-48.
115. TOLANOV, N. D. (A Strong Coke from Machine-Molded Peat.) Trudy Moskov. Khim Tekh. Inst. Mendeleeva, No. 6, 1940, pp. 160-162; Khim Referat. Zhur 4, No. 9, 1941, p. 117.
116. COAL AGE. Texas Lignite Mine Develops a Method of Briquetting in Struggle for Markets versus Gas and Oil. Vol. 46, 1941, p. 51.
117. BECKER, H., AND BUNTENBACK, F. Leistungesteigerung und Brennstoffersparnis bei Erzeugung von Generatorheiss Gas aus Braunkohlen-Briketts. Stahl u. Eisen, vol. 61, 1941, pp. 441-451.
118. CHARLES BERTHELOT, TECH. MODERNE. (Agglomeration of Fuels, Spontaneous Agglomeration of Peat, Brown Coal and Lignin.) Vol. 33, 1941, pp. 129-35. Chem. Zentralb. II, 1941, p. 1465.
119. LANG, W. A. Fuel Investigations of the Research Council of Alberta. Transactions of the Canadian Institute of Mining and Metallurgy. Vol. 45, 1942, pp. 27-44.
120. LYAKH, A. A. (The Use of Lignite Briquets in the Mixture with Mineral Coal in the Smelting of Cast Iron in the Cupola Furnace.) Liteinae Delo 12, No. 4, 1941, pp. 17-20; Chem. Zentralb., I, 1943, p. 82.
121. BILKENROTH, G. (Compression Pressure and Its Measurement in Briquetting Brown Coal.) Braunkohle, vol. 40, 1941, 489-506. Chem. Zentralb. II, 1941, p. 3267.
122. BERTHELOT, CH. (The Production of Briquets in Vernon (Eure, France) from Mixed Mineral Coal and Charcoal.) Génie civil, vol. 117, 1941, pp. 165-9; Chem. Zentralb. II, 1941, p. 1699.
123. GOODMAN, G. S., AND CARLSON, G. E. Fuel Briquets and Packaged Fuel. Bureau of Mines Minerals Yearbook 1942, pp. 1005-1019. (This chapter appears annually in each Minerals Yearbook.)
124. GARCIA, E. D. Elaboracion de briquetos. Boletin de Obras Sanitaris de la Nacion, vol. 6, No. 59, 1942, pp. 493-4.
125. SHANKS, J. Practical Experience in the Briquetting of Bituminous Coking Coal. Trans. Canadian Inst. Min. and Met., vol. 45, 1942, pp. 15-26.
126. BERTHELOT, C. (Briquets from Caking Bituminous Coal and Wood Charcoal for Use in Automobile Gas Producers.) Rev. ind. minérale, No. 462, 1942, pp. 25-30; Chem. Zentralb. II, 1943, p. 1252.
127. PARRY, V. F., AND GOODMAN, J. B. Briquetting Subbituminous Coals. Bureau of Mines Rept. of Investigations 3707, 1943, 37 pp.
128. GOODMAN, G. S., AND CARLSON, G. E. Directory of Packaged-Fuel Operations in the United States which Reported Production in 1943. Mineral Industry Surveys, Coal Economics Division, Bureau of Mines, May 1943, 6 pp. (Directory issued yearly.)
129. _____ Directory of Fuel-Briquetting Operations in the United States which Reported Production in 1943. Mineral Industry Surveys, Coal Economics Division, Bureau of Mines, May 1943, 6 pp. (Directory issued yearly.)
130. JOHNSON, F. A. The Slurry Briquette. Iron and Coal Trades Rev., II, vol. 147, Sept. 10, 1943, p. 399.
131. GOODMAN, G. S. Fuel Briquets and Packaged Fuel in 1943. Mineral Industry Surveys, Mineral Market Rept. 1175, May 1943, 17 pp. (Report issued yearly since 1907, with the exception of 1910.)
132. ROLLAND, M. (Mixed Briquets for Generators.) Carburants Nat., vol. 4, 1943, pp. 81-3; Chem. Zentralb. I, 1943, p. 2468.

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133. STEFFEN, P. (Gasification of Lignite Briquets in the Evers-Union Generator.) Braunkohle, vol. 42, 1943, pp. 377-82; Chem. Zentralb. II, 1943, p. 2127.
134. STORROW, J. T., AND HOSHAM, G. S. Slurry. Coll. Eng. 20, 1943, pp. 135-6, 168-74, 185-8.
135. SAUBERLICH, KURT. (Preliminary Studies of the Permanency of Brown-Coal Briquets.) Braunkohle, vol. 42, 1943, pp. 233-237; Chem. Zentralb. II, 1943, p. 880.
136. SOMMER, F. (Gasification of Brown-Coal Briquets and Hard Brown-Coal in the Prometheus-Weber Gas Producer.) Braunkohle, vol. 42, 1943, pp. 395-401.
137. AGDE, G. (Comparison of the Colloid Theory, the Humic Acid Theory, and the Capillary Theory of the Formation of Brown Coal Briquettes.) Braunkohle, vol. 42, Apr. 3, 1943, pp. 161-164.
138. _____ (The Colloid Theory, a Colloidal Explanation of the Differences in Strength of Brown Coal Briquetes.) Braunkohle, vol. 42, May 16 and 23, 1943, pp. 217-221, 229-233.
139. AGDE, G., SCHURENBERG, H., AND FRITZSCHE. (The Effect of Brown-Coal Water in Limiting the Strength of Brown-Coal Briquets.) Braunkohle, vol. 42, 1943, pp. 272-274, 289-293; Chem. Zentralb. II, 1943, pp. 1513-1514.
140. KRAUSHAAR, OTTO. (Drying of Crude Lignite.) Ztschr. Ver. deut. Ing., vol. 87, 1943, pp. 727-730; Chem. Zentralb. II, 1943, p. 2276.
141. PARRY, V. F. Technical and Economic Study of Packaged Fuel. Bureau of Mines Rept. of Investigation 3757, 1944, 45 pp.
142. GOODMAN, G. S. List of Manufacturers of Machinery Used in Making Fuel Briquets and Packaged Fuel. Directory issued yearly by Coal Economics Division, Bureau of Mines. Latest list issued June 3, 1944.
143. BURROWS, M. K. Proceedings of the Conference on Problems in Utilization of Small Coal. British Coal Utilization Research Assoc., 1944, p. 23.
144. BARKLEY, J. F., AND SEYMOUR, W. The War Problem of Increasing the Utilization of Small Anthracite. Proc. Am. Soc. Mech. Eng., Semiannual Meeting, June 1944. (Mim. Prepr. 1944, 11 pp.)
145. PIERSOL, R. J. New Information on Coal in the Field of Physics. Illinois State Geol. Survey Bull. 68, 1944, pp. 50-57.
146. MAIDANA, GREGORIO P. (Briquetted Fuel with a Flax Straw Base.) Industria y quim, vol. 5, 1944, pp. 198-202.
147. GHATAK, S. N. Briquetting Molasses with Waste Charcoal Dust. Proc. Sugar Tech. Assoc. India, vol. 13, 1944, pp. 81-9.
148. JONES, NORMAN C. Forestry and the Utilization of Waste Wood and Its Products as Fuel. Soc. Chem. Ind., Chem. Eng. Group and Trans. Inst. Chem. Eng. Advance Copy, Dec. 12, 1944, 15 pp.
149. AGDE, G., AND SCHURENBERG, H. (Proof of the Sliding Effect of Coal Moisture Increasing the Strengths of Brown Coal Briquets.) Braunkohle, vol. 43, 1944, pp. 22-30. Chem. Zentralb. I, 1944, p. 1452.
150. ROBERTS, JOHN. Coals for Carbonization. Coke Smokeless Fuel Age 6, 1944, pp. 173-5, 177.
151. CRUELLAS, JOSE (SANTA FE, ARGENTINA). (Fuel Blocks from Agricultural Wastes.) Industria y quim 7, 1945, 315-17.
152. SINGH, A. D. Trends in Development of Smokeless Fuels. Proc. Smoke Prevention Assoc. America, 1945, pp. 11-14.

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153. JOHNSON, B. W. (ST. HELEN'S GAS DEPT. ENGLAND). A Gas-Works Investigation of the Manufacture of Coke-Breeze Ovoid Briquets. Gas Jour., vol. 246, 1945, pp. 397-398, 403-404.
154. LOWRY, H. H. (ed.). Briquetting. Chemistry of Coal Utilization, John Wiley & Sons, Inc., vol. 1, pp. 623-626.
155. RESEARCH COUNCIL OF ALBERTA. Annual Report. Rept. 47, 1945.
156. GREENE, H., AND JEWITT, T. N. (Research Div., Dept. Agri. Anglo-Egyptian Sudan). Charcoal Briquets as a Coal Substitute. Jour. Soc. Chem. Ind., vol. 64, 1945, pp. 265-271.
157. LANG, W. A. Research and the Coal Industry in Canada. Trans. Canadian Inst. Min. and Met., vol. 49, 1946, pp. 51-62.
158. SEMENSKI, E. P. (Moscow Peat Inst.) (Drying Peat Mixed with Sapropel.) Torfyanaya Prom. 23, No. 4, 1946, pp. 7-9.
159. LYNN, JOHN R. Certain Chemical and Physical Properties of Several Wyoming Subbituminous Coals. University of Wyoming, Natural Resources Research Inst., Bull. 1, May 1946, 23 pp.
160. SCHMIDT, L. D., REID, W. T., SEYMOUR, WILLIAM, AND MYERS, J. W. Physical and Combustion Characteristics of Packaged Fuel Containing Anthracite Fines. Bureau of Mines Rept. of Investigations 3882, 1946, 35 pp.
161. GREENWOOD, H. D. The Gas Industry in Germany, 1939-45. Gas Jour., vol. 248, 1946, pp. 154-156, 159.
162. REED, J. B. The Briquetting of Coal. Monthly Bulletin. Brit. Coal Utilization Research Assoc., February 1947, vol. 11, No. 2.
163. REED, J. B. The Briquetting of Coal. Brit. Coal Utilization Research Assoc. (Rev. Ser. 52), Monthly Bull., vol. 11, No. 2, February 1947, pp. 41-49.

PATENTS

164. SUTCLIFFE, E. R. Agglomerating Fuel. British Patent 209,794, Sept. 22, 1922.
165. HANSARD, H. H. Fuel Briquet and Method of Making Same. U. S. Patent 1,675,266, June 26, 1928.
166. WELTON, P. E. Fuel Briquet. U. S. Patent 1,747,919, Feb. 18, 1930.
167. GOODWIN, R. T. Briquet. U. S. Patent 1,749,378, Mar. 4, 1930.
168. YOUNG, H. G. Coal Briquet Machine. U. S. Patent 1,752,644, Apr. 1, 1930.
169. McINTIRE, C. V. Producing Carbonized Briquets. U. S. Patent 1,772,189, Aug. 5, 1930.
170. _____ Making Fuel Briquets. U. S. Patent 1,772,053, Aug. 5, 1930.
171. MAUREL, H. F. Manufacturing Fuel Briquets. U. S. Patent 1,780,205, Nov. 4, 1930.
172. WELTON, P. E., AND WODSWORTH, G. H. Fuel Briquet. U. S. Patent 1,783,759, Dec. 2, 1930.
173. FORA, J. S., AND MURRAY, F. Fuel Briquet. U. S. Patent 1,784,655, Dec. 9, 1930.
174. CARPENTER, W. C. Briquet Forming and Baking Machine. U. S. Patent 1,785,827, Dec. 23, 1930.
175. NOWAK, A. K., AND DINZIE, R. W. Briquetting Machine. U. S. Patent 1,786,167, Dec. 23, 1930.
176. ANDREWS, D. S. Fuel Briquet and Making Same. U. S. Patent 1,793,833, Feb. 24, 1931.

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177. KOMAREK, G. Briquet Composition and Making Briquets. U. S. Patent 1,796,465, Mar. 17, 1931.
178. SIMPSON, L. L., AND BROWN, W. H. Briquetting Composition. U. S. Patent 1,800,875, Apr. 14, 1931.
179. LEMMING, J. C. Briquetting Machine. U. S. Patent 1,806,300, May 19, 1931.
180. BOTSCH, R. P. Fuel Briquet. U. S. Patent 1,808,340, June 2, 1931.
181. CARPENTER, W. C. Briquet Forming and Baking Machine. U. S. Patent 1,819,277, Aug. 18, 1931.
182. LEMMING, J. C. Briquetting Machine. U. S. Patent 1,820,235, Aug. 25, 1931.
183. ARCHBALD, H. Apparatus for Making Briquets. U. S. Patent 1,828,586, Oct. 20, 1931.
184. RICHARDS, L. H. Fuel Briquet Treating Apparatus. U. S. Patent 1,840,294, Jan. 5, 1932.
185. PARDEE, R. J. Briquetting Machine. U. S. Patent 1,849,027, Mar. 8, 1932.
186. SEWELL, C. W. Apparatus for Carbonizing Briquets. U. S. Patent 1,855,950, Apr. 26, 1932.
187. BYERLEIN, E. J. Briquetting Machine. U. S. Patent 1,860,075, May 20, 1932.
188. KOMAREK, G. Briquet and Making Same. U. S. Patent 1,860,465, May 31, 1932.
189. _____ Briquet and Making Same. U. S. Patent 1,860,745, May 31, 1932.
190. MAUREL, H. F. Apparatus for Carbonization of Fuel. U. S. Patent 1,870,521, Aug. 9, 1932.
191. WELHARD, R. E. Making Briquets. U. S. Patent 1,871,104, Aug. 9, 1932.
192. GAUPHOLM, E. O. E. Fuel Briquet. U. S. Patent 1,872,135, Aug. 16, 1932.
193. JONES, E. E. Coal Briquetting Machine. U. S. Patent 1,873,596, Aug. 23, 1932.
194. WEBER, L. Briquets from Bituminous Coal and Production of Semi-coke. U. S. Patent 1,875,287, Aug. 30, 1932.
195. JONES, E. E. Briquet Press. U. S. Patent 1,879,293, Sept. 27, 1932.
196. LINDERMANN, W. Briquet Press. U. S. Patent 1,879,356, Sept. 27, 1932.
197. BOWLING, R. T. Briquetting Machine. U. S. Patent 1,881,397, Oct. 4, 1932.
198. CORNELIUS, G. Apparatus for Continuously Producing Briquets. U. S. Patent 1,887,149, Nov. 8, 1932.
199. HERRLY, P. F. Fuel Briquet (Design). U. S. Patent 88,351, Nov. 22, 1932.
200. ROSENWALD, I. Coal Briquet. U. S. Patent 1,891,450, Dec. 20, 1932.
201. SPENGLER, P. J., AND J. P. Coal Briquetting. U. S. Patent 1,891,893, Dec. 20, 1932.
202. KOMAREK, G., AND McPHAIL, G. Briquet. U. S. Patent 1,893,417, Jan. 3, 1933.
203. KOMAREK, G., McPHAIL, G., AND CORYDL, C. Manufacturing Briquets. U. S. Patent 1,893,555, Jan. 10, 1933.
204. EPSTEIN, A. A. Briquet and Process of Manufacture. U. S. Patent 1,900,173, Mar. 7, 1933.
205. JONES, E. E. Coal Briquetting Equipment. U. S. Patent 1,900,347, Mar. 7, 1933.
206. JOHNSTON, L. M. Producing a Carbonized Fuel Briquet. U. S. Patent 1,903,237, Mar. 28, 1933.

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207. BOWLING, R. T. Briquetting Machine. U. S. Patent 1,906,245, May 2, 1933.
208. CARPENTER, W. C. Producing Carbonized Fuel Briquets. U. S. Patent 1,908,689, May 16, 1933.
209. MAUREL, H. F. Rendering Fuel Briquets Hard and Smokeless. U. S. Patent 1,908,910, May 16, 1933.
210. LOEBELL, H. O. Making Carbonized Fuel Briquets. U. S. Patent 1,912,002, May 30, 1933.
211. CALLAHAN, J. F. Briquetting Machine. U. S. Patent 1,912,690, June 6, 1933.
212. McCARRON, M. E. Fuel Briquet. U. S. Patent 1,914,271, June 13, 1933.
213. JESSEN, J. C. Fuel Package for Heaters. U. S. Patent 1,916,573, July 4, 1933.
214. WILSON, E. L. Carbonizing Briquets. U. S. Patent 1,918,162, July 11, 1933.
215. SEWELL, C. W. Briquet and Manufacturing Briquets. U. S. Patent 1,920,327, Aug. 1, 1933.
216. TRENT, W. E. Briquet and Producing Same. U. S. Patent 1,923,803, Aug. 22, 1933.
217. ROSENWALD, I. Briquet and Binder for Same. U. S. Patent 1,924,457, Aug. 29, 1933.
218. WILSON, E. L. Apparatus for Carbonizing Briquets: U. S. Patent 1,927,968; Sept. 26, 1933.
219. TRENT, W. E. Producing Fuel Briquets. U. S. Patent 1,929,860, Oct. 10, 1933.
220. HOSING, F. W. Briquetting Machine. U. S. Patent 1,931,759, Oct. 24, 1933.
221. KERN, F. E. Producing Metallurgical Coke Briquets from Noncoking Bituminous Coals. U. S. Patent 1,899,808, 1,899,809, 1933.
222. LOEBELL, H. O., AND KLEES, A. L. Preparing Carbonized Fuel Briquets. U. S. Patent 1,948,471, Feb. 20, 1934.
223. ZWOYER, E. B. A., AND STILLMAN, A. L. Carbonizing Coal Briquets. U. S. Patent 1,950,017, Mar. 6, 1934.
224. VON T. ROHER, O. Making Fuel Briquets. U. S. Patent 1,966,598, July 17, 1934.
225. WOOD, C. B. Forming a Fuel Briquet. U. S. Patent 1,977,332, Oct. 16, 1934.
226. SCHOLY, C. Briquetting Machine. U. S. Patent 1,986,356, Jan. 1, 1935.
227. HOERNLE, W. L. Briquet Making. U. S. Patent 1,990,405, Feb. 5, 1935.
228. BOWLING, R. T. Briquet Making. U. S. Patent 1,990,632, Feb. 12, 1935.
229. LOGHRY, L. I. Fuel Briquet. U. S. Patent 1,990,948, Feb. 12, 1935.
230. BOWLING, R. T. Briquetting Machine. U. S. Patent 1,990,613, Feb. 12, 1935.
231. SNELL, F. D. Forming Solid Fuel Briquets. U. S. Patent 1,995,366, Mar. 26, 1935.
232. CULLEN, J. P. Briquetting Machine. U. S. Patent 1,997,813, Apr. 16, 1935.
233. WENDECKER, R. E. Manufacture of Briquets. U. S. Patent 2,009,463, July 30, 1935.
234. ERICKSON, J. A. Coal Briquet. U. S. Patent 2,011,971, Aug. 30, 1935.

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235. BOWLING, R. T. Briquetting Machine. U. S. Patent 2,013,026, Sept. 3, 1935.
236. KOMAREK, G. Briquet Making Apparatus. U. S. Patent 2,016,639, Oct. 8, 1935.
237. KOMAREK, G., AND CHAPMAN, W. J. Producing Solid Fuel Briquet. U. S. Patent 2,017,402, Oct. 15, 1935.
238. PIERSOL, R. J. Coal Briquetting. U. S. Patent 2,021,020, Nov. 12, 1935.
239. ROBERTS, A. A. Manufacturing Briquets. U. S. Patent 2,025,776, Dec. 31, 1935.
240. ROBERTS, A. A. Making Fuel Briquets. U. S. Patent 2,025,777, Dec. 31, 1935.
241. SOWAL, E. Apparatus for Molding Fuel Briquets. U. S. Patent 2,026,439, Dec. 31, 1935.
242. MORETON, H. H. Manufacturing Briquets. U. S. Patent 2,034,351, Mar. 17, 1936.
243. PUKLI, F. M. Solid Fuel Briquet and Making Same. U. S. Patent 2,036,642, Apr. 7, 1936.
244. HAZELZET, L. S. S. Fuel Briquet and Production of Same. U. S. Patent 2,042,894, June 2, 1936.
245. ROBERTS, A. A. Making Fuel Briquets. U. S. Patent 2,046,532, July 7, 1936.
246. DECKER, A. J. Solid Fuel Briquet and Making Same. U. S. Patent 2,066,457, Jan. 5, 1937.
247. ALBRECHT, J. A. Forming Fuel Briquets. U. S. Patent 2,076,315, Apr. 6, 1937.
248. KIEM, J. H. Fuel and Composition of Matter for Treating Solid Carbonizied Fuel. U. S. Patent 2,110,370, Mar. 8, 1938.
249. DINZEL, R. W. Briquetting Machine. U. S. Patent 2,110,972, Mar. 15, 1938.
250. PIERSOL, R. J. Briquetting Press. U. S. Patent 2,119,243, May 31, 1938.
251. GOSS, W. C. Briquet Press. U. S. Patent 2,128,141, Aug. 30, 1938.
252. A. TEN BOSCH. Manufacturing Briquets. U. S. Patent 2,133,675, Oct. 18, 1938.
253. MacPHERSEN, R. G. Compounded Smokeless Fuel. U. S. Patent 2,136,591, Nov. 15, 1938.
254. REPETZKI, K. (Production of Briquets from Coal Dust.) French Patent 836,281, Jan. 13, 1939.
255. HEINRICH KOPPERS, G.m.b.H. (Coke Briquets.) German Patent 671,997, Mar. 1, 1939.
256. ALBERT EMULSIONWERKE, G.m.b.H. (Glossing Brown Coal Briquets.) German Patent 673,583, Mar. 24, 1939.
257. LUNDWALL, A. T. Briquet Coating Machine. U. S. Patent 2,155,500, Apr. 25, 1939.
258. ZWOYER, E. B., AND STILLMAN, A. L. Producing Fuel Briquets. U. S. Patent 2,162,989, June 20, 1939.
259. HELMET, HEINRICH (To Kohlem Eredlung und Schwelwerke, A. G.). (Smokeless Fuel Briquet.) German Patent 677,187, June 21, 1939.
260. MAUREL, H. F. Baking Fuel Briquets. U. S. Patent 2,164,933, July 4, 1939.
261. CRAWFORD, J. F. Briquet Making Machine. U. S. Patent 2,175,342, Oct. 10, 1939.

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262. FIFE, H. R. Coal Coating. U. S. Patent 2,176,127, Oct. 17, 1939.
263. LECOQ, EUGENE J. M., AND RABU, JUDES L. (Carbonization.) French Patent 854,017, Apr. 3, 1940.
264. WATTLES, G. M. Protecting Coal and the Like. U. S. Patent 2,204,781, June 18, 1940.
265. BYERLEIN, E. J. Briquetting Machine Templing Device. U. S. Patent 2,206,000, June 25, 1940.
266. FUTO, A. Making Fuel Briquets and Suitable Binder Agents Therefor. U. S. Patent 2,207,459, July 9, 1940.
267. DUDIN, A. I. (Charcoal Briquets.) Russian Patent 57,839, Aug. 31, 1940.
268. REIK, G. G., AND LOETEL, C. E. Fuel Briquet and Making Same. U. S. Patent 2,217,994, Oct. 15, 1940.
269. NEDOPEKIN, A. N., AND KARELSKII, V. F. (Fuel Briquets.) Russian Patent 58,325, Nov. 30, 1940.
270. SKUTH, V. (To Carbodur, G.m.b.H.)(Briquetting Young Coals.) German Patent 699,993, November 1940.
271. PASSARELLI, F. Fuel Briquet and Making Same. U. S. Patent 2,227,363, Dec. 31, 1940.
272. VITT, K. N. (Fuel Briquets.) Russian Patent 58,651, Dec. 31, 1940.
273. FUEL IMPROVEMENT COMPANY, LTD. Briquetting Fine Coal Without Binder. British Patent 531,938, Jan. 14, 1941.
274. JOHNSON, W. V. Making Fuel Briquets. U. S. Patent 2,247,026, June 24, 1941.
275. BENTZ, HUGO. (Coal Briquets.) German Patent 715,064, Nov. 20, 1941.
276. SPATZ, RUDOLPHE. (Coke Briquets from Vegetable Fuels.) German Patent 715,364, Nov. 27, 1941.
277. HEINRICH KOPPERS, G.m.b.H.(Generating CO and H in a Volume Ratio of 1:2 from Brown-Coal Briquets or Similar Bituminous Fuel.) German Patent 716,078, Dec. 11, 1941.
278. KURTH, HERBERT, AND OELENHEINZ, THEODOR. (Binder for Cementing Fuel Briquets.) German Patent 718, 469, Feb. 19, 1942.
279. SOCIETE CIVILE D'ETUDES ET DE RECHERCHES TECHNIQUES. (Briquetting of Coal.) Belgian Patent 444,050, Feb. 28, 1942.
280. VLOEBERGHS, A. (Dehydrating Peat, Lignite and the Like.) Belgian Patent 444,723, Apr. 30, 1942.
281. FARBENIND, I. G., A.G. (Mixtures that can be Coked, Particularly Briquets, from Solid Carbonaceous Materials and Hydrogenation Residues.) Belgian Patent 444,950, Apr. 30, 1942.
282. GEWERKSCHAFT MATHIAS STINNES. (Binder for Briquetting Coal.) Belgian Patent 445,322, May 31, 1942.
283. SOCIETE NAVALIS. Fuel Briquets. Belgian Patent 445,503, June 30, 1942.
284. CARBONIZATION ET CHARBONS ACTIFS, SOC. ANON. (Fuel Briquets for Gas Producers.) Belgian Patent 445,722, June 30, 1942.
285. DARGE, E. (Fuel Briquets.) Belgian Patent 446,224, July 21, 1942.
286. GEWERKSCHAFT MATHIAS STINNES. (Binder for Briquetting Coal.) Belgian Patent 446,945, Sept. 30, 1942.
287. DAIMLER-BENZ, A. G. (Producer Gas from Lignite Briquets or Similar Fuels.) Belgian Patent 447,622, Nov. 30, 1942.
288. SOC. DES PRODUITS CHIMQUES DE CLAMECY. (Charcoal Briquets.) German Patent 730,328, Dec. 10, 1942.

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289. FARBENIND, I. G., A. G. (Low-Temperature Distillation of Coal Briquets with Circulation of the Scavenging Gas.) Belgian Patent 448,139, Dec. 31, 1942.
290. FARBENIND, I. G., A. G. (Briquetting Nonagglutinating or Poorly Agglutinating Coal.) Belgian Patent 448,117, Dec. 31, 1942.
291. FARBENIND, I. G., A. G. (Briquetting Nonagglutinating or Poorly Agglutinating Coal.) Belgian Patent 448,118, Dec. 31, 1942.
292. SOC. COOPERATIVE LES AGGLOMERES DES FLANDRES. (Fuel Briquets.) Belgian Patent 448,050, Dec. 31, 1942.
293. HERGLOTZ, FRANZ. (Preparing Coal for Briquets without Use of Binders.) German Patent 731,792, Jan. 21, 1943.
294. WERNER, OTHMAR (to Klockner-Humboldt Deutz, A. G.). (Press for Briquetting Powdered Brown Coal.) German Patent 731,887, Jan. 21, 1943.
295. FRIEDRICH, PAUL. (Binder for Briquetting Coal and Coke.) German Patent 732,413, Feb. 4, 1943.
296. GIES, JAKOBUS R., AND SEITZ, GOTTHILF (to Metallgesellschaft, A. G.). (Apparatus for Preliminary Pressing Briquets from Unevenly Sized Coal.) German Patent 733,624, Feb. 25, 1943.
297. KRAMER, JOSEF (to Klockner-Humboldt Deutz, A. G.). (Briquets of Bituminous Shale.) German Patent 735,026, Apr. 1, 1943.
298. KOBALD, HANS. (Briquets for Generating Motor Fuel.) German Patent 735,359, Apr. 8, 1943.
299. JAHNS, MAX, AND FISCHER, JOHANNES (to Max Jahns). (Briquets.) German Patent 735,518, Apr. 15, 1943. Addition to German Patent 647,702.
300. BERGFELD, KARL, AND KREMSER, LEO (to Karl Bergfeld). (Catalyst for Treating Coal-Distillation Products.) German Patent 737,024, May 27, 1943.
301. PIERSOL, R. J. Smokeless Briquet. U. S. Patent 2,321,238, June 8, 1943.
302. BROCHE, HANS, AND MULLER, HANS (to Gewerkschaft Mathias Stinnes). (Coal Briquets.) German Patent 737,957, July 1, 1943.
303. HEINRICH KOPPERS, G.m.b.H. (Vertical Chamber Oven for Coking Coal Briquets, Etc.) German Patent 738,603, July 15, 1943.
304. ERICKSON, JOHN A. Waterproofing Fuel Briquets. U. S. Patent 2,325,840, Aug. 3, 1943.
305. GEWERKSCHAFT, MICHEL. (Treating Dried Brown Coal for Briquetting.) German Patent 739,065, Aug. 5, 1943.
306. KEIL, GEORG (to Gewerkschaft, Michel). (Improving the Briquetting of Brown Coal.) German Patent 739,204, Aug. 5, 1943.
307. SEIDENSCHUUR, FRITZ, AND WINTER, FRITZ (to Chemieprodukte Komm.-Ges.). (Production of Brown-Coal Briquets and Brown Coal Tar.) German Patent 739,297, Aug. 12, 1943.
308. LEYERZAPF, HERMANN (to Deutsche Gold-und Silber Scheideanstalt vormals Roessler). (Charcoal-Like Coke Briquets.) German Patent 739,298, Aug. 12, 1943.
309. HERGLOTZ, FRANZ. (Treatment of Excessively Wet Brown Coal for Briquetting.) German Patent 740,233, Aug. 26, 1943.
310. WEBER, LUDWIG. (Coke Briquets of Fine-Grained Non-Baking Coal.) German Patent 740,363, Sept. 2, 1943.
311. GROENING, OSCAR (to Oscar Groening and Otto Weigel). (Peat for Gas.) German Patent 741,387, Sept. 23, 1943.
312. FREW, DAVID L. Solid Fuel. British Patent 556,332, Sept. 30, 1943.

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313. KRONIG, WALTER, HARTMAN, GUSTAV V., AND BAHR, HANS (to I. G. Farbenind. A. G.). (Bonding Agent for Briquetting Coal.) German Patent 741,586, Sept. 30, 1943.

314. SCOTTISH MACHINE TOOL CORP. LTD., AND CLEMENTS, ALEXANDER B. Briquets. British Patent 556,632, Oct. 13, 1943.

315. DOHSE, HANS, AND ROBER, ROLF (to Gesellschaft für Kohlentechnik G.m.b.H.). (Briquetting Coal.) German Patent 742,924, Oct. 28, 1943.

316. WOLF, CLAYTON S. (to American Cyanamid Co.). Carbonized Briquets from Badly Swelling and Caking Coals. U. S. Patent 2,336,154, Dec. 7, 1943.

317. SPATZ, RUDOLPHE. (Briquetted Fuel from Plants.) German Patent 745,934, Dec. 23, 1943.

318. ERICKSON, JOHN A. Solid Fuel Briquets Made with Grain or Tuber Starch. U. S. Patent 2,349,342, May 23, 1944.

319. BERRY, ARTHUR F. Fuel Blocks. British Patent 562,798, July 17, 1944.

320. LUZZATO, GEORGE J. Fuel Briquets. British Patent 562,911, July 20, 1944.

321. STADLIN, MYER N. (to Baldwin Locomotive Works). Briquetting Press. U. S. Patent 2,358,765, Sept. 19, 1944.

322. ERICKSON, JOHN A. Solid Fuel Briquets. British Patent 566,001, Dec. 8, 1944.

323. ZHIKHAREV, S. A. (Binder for Coal Briquets.) U. S. S. R. Patent 64,461, Apr. 30, 1945.

324. GOSS, WORTH C. (to William A. Carlisle, Sr.). Apparatus for Carbonizing Briquets. U. S. Patent 2,390,067, Dec. 4, 1945.

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